

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	11	"6075686"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/19 12:22
S1	1499	"5874785" "4383150" "4903162" "5426372" "5486753" "4250476" "4256936" "4275431" "4361955" "4363531" "4383236" "4421962" "4491839" "4499350" "4524257" "4538039" "4617435" "4815748" "4962497" "4983792" "5309399" "5361237" "5391993" "5446732" "5476030" "5543859" "5644283" "5675468" "5689397" "5736862" "5804787" "5995387" "6025775" "6114848" "4286301" "4288768" "4293747" "4298856" "4303398" "4326167" "4346273" "4379957" "4392230" "4395771" "4431904" "4433221" "4446915" "4459464" "4467298" "4482190" "4485472" "4525809" "4579719" "4587588" "4620109" RE32279 "4774387" "4781609" "4788450" "4794950" "4803327" "4864219" "4910508" "4916594" "4928200" "4941077" "4961066" "4972248" "5202622" "5236370" "5236810" "5241745" "5241829" "5250508" "5270642" "5272441" "5272445" "5278769" "5315088" "5326269" "5345180" "5352123" "5402303" "5412603" "5414715" "5420486" "5420512" "5428923" "5436825" "5463563" "5471377" "5508922" "5521833" "5530935" "5541852" "5598031" "5614790" H001641 "5619021" "5621319"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/17 15:36
S2	14	"6075686" 10/417112 10/671585	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/17 15:40

## EAST Search History

S3	120	(second adj protective adj circuit)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/17 16:08
S4	7	(second adj protective adj circuit) same inner	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/17 16:10
S5	5	(second adj protective adj circuit) same inner and (IC (integrated adj circuit) chip)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/17 16:16
S6	9	((second near3 protect\$3 near3 circuit) near3 inner) and (IC (integrated adj circuit) chip)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/17 16:18
S7	58	(esd protect\$3) same (step-down (step adj down)) same thin	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/17 16:39
S8	24	(esd protect\$3) same (step-down (step adj down)) same thin and (IC (integrated adj circuit) chip)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/17 16:39
S10	1	"08288404"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/17 16:54

## EAST Search History

S13	2550	361/56.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/17 16:57
S14	21	"0188417"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/18 08:35
S15	34	"188417"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/18 08:35
S16	34	S15 not S14	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/18 08:35
S18	2	"06188417"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/18 08:36
S19	3	"11213123"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/18 08:44
S20	2	"200144364"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/18 08:46

## EAST Search History

S21	3	"2001044364"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/18 08:47
S22	61	"5637900" "5291051" "6927956" "5285095"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/18 08:51
S23	55	S22 and protect\$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/18 08:52
S24	50	S22 and protect\$3 and (ic chip (integrated adj circuit))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/18 08:52
S26	45	S22 and protect\$3 and (ic chip (integrated adj circuit)) and (surge overvoltage over-voltage spike esd)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/18 08:53
S27	7	S22 and protect\$3 and (ic chip (integrated adj circuit)) and (surge overvoltage over-voltage spike esd) and inner	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/18 08:54
S28	7	S22 and protect\$3 and (ic chip (integrated adj circuit)) and (surge overvoltage over-voltage spike esd) and inner and (mos fet)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/18 08:54

## EAST Search History

S29	3	S22 and protect\$3 and (ic chip (integrated adj circuit)) and (surge overvoltage over-voltage spike esd) and inner and (mos fet) and (thick\$2 thin\$2)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/18 09:50
S30	0	S22 and protect\$3 and (ic chip (integrated adj circuit)) and (surge overvoltage over-voltage spike esd) and inner and (mos fet) and (thick\$2 thin\$2) and ((step adj down) step-down)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/18 09:50
S31	2	S22 and ((step adj down) step-down)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/18 09:51
S32	255765	(esd (electrostatic adj discharg\$3) surge overvoltage over-voltage spike)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/18 09:58
S33	56557	(esd (electrostatic adj discharg\$3) surge overvoltage over-voltage spike) same protect\$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/18 09:58
S34	3907	(esd (electrostatic adj discharg\$3) surge overvoltage over-voltage spike) same protect\$3 same (mos fet)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/18 09:59
S35	2765	(esd (electrostatic adj discharg\$3) surge overvoltage over-voltage spike) same protect\$3 same (mos fet) and (ic chip (integrated adj circuit))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/18 09:59

## EAST Search History

S36	51	(esd (electrostatic adj discharg\$3) surge overvoltage over-voltage spike) same protect\$3 same (mos fet) and (ic chip (integrated adj circuit)) and (step-down (step adj down))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/18 10:00
S38	47	"4792749" "4972378" "5239194" "08/951632" "6713817" 10/417112 "7072157" "6989980" 10/812548 10/982431 11/020069	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/18 11:56
S40	10	S38 and esd	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/18 12:04
S44	19	S38 and protect\$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/18 12:05
S45	10	S40 and protect\$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/18 12:05
S46	19	S44 S45	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/18 12:06
S47	10	S44 and S45	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/18 12:06

## EAST Search History

S50	21	"951632"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/18 12:16
S51	1094	327/333.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/18 13:13
S52	715	S51 and ((step-down (step adj down)) shift\$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/18 13:15
S53	29	S51 and ((step-down (step adj down)) shift\$3) and esd	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/18 13:22
S54	13	S51 and ((step-down (step adj down)) shift\$3) and esd and thick\$2	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/18 13:22
S55	6	"6683767"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/18 13:38
S60	71	((multipl\$5 plurality three four third fourth) adj stage) same esd	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/18 13:49

## EAST Search History

S61	18	((multipl\$5 plurality three four third fourth) adj stage) same esd and thick\$2	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/18 13:49
S62	123	esd near3 protect\$3 near3 thick\$2	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/18 14:10
S63	69	esd near3 protect\$3 near2 thick\$2	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/18 14:50
S64	43	esd near3 protect\$3 adj thick\$2	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/18 14:53
S65	2	esd same protect adj thick\$2	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/18 14:53
S66	1	esd same second near3 thick near3 mos	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/18 15:01
S67	1	esd same second near5 thick near5 mos	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/18 15:01



## EAST Search History

S68	4	esd same second near7 thick near7 (mos fet)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/18 15:06
S69	4	esd same second near10 thick near10 (mos fet)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/18 15:06
S70	7	esd same second near30 thick near30 (mos fet)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/18 15:11
S71	3	S70 not S69	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/18 15:07
S72	2	esd same (second third plurality multiple) near5 thick near5 (mos fet)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/18 15:12
S73	7	esd same (second third plurality multiple) near25 thick near25 (mos fet)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/18 16:56
S74	27	esd and (second third plurality multiple) near25 thick near25 (mos fet)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/18 15:27

## EAST Search History

S75	525	thick adj5 protect\$3 adj5 thick	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/18 15:27
S77	8	(thick adj10 protect\$3 adj10 thick) same esd	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/18 15:31
S78	8	(thick\$3 adj10 protect\$3 adj10 thick\$3) same esd	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/18 15:32
S79	8	(thick\$3 adj20 protect\$3 adj20 thick\$3) same esd	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/18 15:32
S80	8	(thick\$3 adj30 protect\$3 adj30 thick\$3) same esd	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/18 15:32
S81	8	(thick\$3 adj50 protect\$3 adj50 thick\$3) same esd	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/18 15:33
S82	13	(thick\$3 adj50 protect\$3 adj50 thick\$3) and esd	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/18 15:33

## EAST Search History

S83	5	S82 not S81	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/18 15:36
S84	8	protec\$3 adj3 thick adj3 (mos fet)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/18 15:37
S85	3	protec\$3 adj3 thick adj3 (mos fet) same esd	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/18 15:37

## EAST Search History

S86	129	( "3819986"   "4005342"   "4039869"   "4061928"   "4066918"   "4186418"   "4288829"   "4366522"   "4385337"   "4400711"   "4408245"   "4456940"   "4509067"   "4567500"   "4580063"   "4581672"   "4605980"   "4630162"   "4631567"   "4633283"   "4644250"   "4678950"   "4686383"   "4692834"   "4698720"   "4704654"   "4739378"   "4742422"   "4775809"   "4789917"   "4811155"   "4819047"   "4826243"   "4829350"   "4835653"   "4839768"   "4855620"   "4858055"   "4868705"   "4870530"   "4896243"   "4920445"   "4930036"   "4939616"   "4949212"   "4963766"   "4990802"   "4994874"   "4996626"   "5027181"   "5028819"   "5034845"   "5051860"   "5053643"   "5060037"   "5086365"   "5144518"   "5144519"   "5153802"   "5157573"   "5159518"   "5196981"   "5200876"   "5208719"   "5212616"   "5218506"   "5237395"   "5239440"   "5255146"   "5268588"   "5272586"   "5276582"   "5287241"   "5289334"   "5291051"   "5291365"   "5301084"   "5311391"   "5319259"   "5333093"   "5335134"   "5343352"   "5345356"   "5359211"   "5392185"   "5400202"   "5406105"   "5412527"   "5424892"   "5426323"   "5430595"   "5440162"   "5450267"   "5452171"   "5453900"   "5455732"   "5463520"   "5465189"   "5473500"   "5477413"   "5477414"   "5479039"   "5495118").PN. OR ("5745323"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/18 16:10
S87	28	S86 and thick\$2	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/18 16:22

## EAST Search History

S88	13	esd and (two three second third plurality multiple dual parallel) adj25 thick\$2 adj25 (mos fet)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/18 16:58
S89	65	"6683767" "5745323" "5637900"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/19 10:50